

## CURLY PONDWEED

*Potamogeton crispus* L.

Plant Symbol = POOCR3

Contributed by: USDA NRCS National Plant Data Center



© Robert Mohlenbrock  
USDA, NRCS, Wetland Sciences Institute  
@ PLANTS

### Uses

**Wildlife:** Curly pondweed tends to increase oxygen levels and produce substantial organic material in aquatic environments (Guard 1995). This pondweed shelters small fish and aquatic insects that provide food for larger fish and amphibians (Ibid.).

### Status

Introduced into the U.S. Considered a pest by several sources. Please consult the PLANTS Plant Profile for this species and your State Department of Natural Resources for this plant's current status, such as, state noxious status and wetland indicator values.

### Description

**General:** Pondweed family (Potamogetonaceae). Curly pondweed is an introduced, fast growing perennial. The stems are flattened and somewhat branching, forty to eighty centimeters long and mostly one to two millimeters wide (Guard 1995). The leaves are simple, long, narrow and attached directly to the stem. The flowers are brownish and inconspicuous and usually occur from May to October.

**Distribution:** Curly pondweed has been introduced from Massachusetts to Minnesota, south to Virginia and Missouri (Tiner 1987). For current distribution, please consult the Plant profile page for this species on the PLANTS Web site.

### Adaptation

This species has invasive qualities. Curly pondweed is commonly found in ponds, lakes, canals, pools and slow moving water of rivers and streams. This plant grows well in sandy, loamy and clay soils. It prefers acid, neutral and basic soil and can grow in very alkaline and saline soils. This species is not shade tolerant.

### Establishment

**Propagation by Seed:** Curly pondweed seeds should be sown as soon as they are ripe, in summer or early autumn (Heuser 1997). The seeds lose viability quickly if they are allowed to dry out (Ibid). Prick out the seedlings when they are large enough to handle and increase the depth of water around the pot until the plants are covered by a few centimeters of water. Grow the plants in a sunny position in the greenhouse for their first winter, increasing the depth of water, as the plants grow larger. Plant them out into their permanent positions in early summer.

### Management

Curly pondweed is an aquatic plant that can be used as an oxygenator of ponds. This species sometimes becomes a pest in waterways, lakes and reservoirs (Guard 1995). It is a fast growing plant in need of constant checking to make sure it does not overrun ponds, pools or canals.

### Cultivars, Improved and Selected Materials (and area of origin)

Materials are available from wetland plant vendors. Contact your local Natural Resources Conservation Service (formerly Soil Conservation Service) office

for more information. Look in the phone book under "United States Government." The Natural Resources Conservation Service will be listed under the subheading "Department of Agriculture."

### References

Brickell, C. 1990. *The RHS gardener's encyclopedia of plants and flowers*. Dorling Kindersley, London.

Britton, N.L. & A. Brown 1970. *An illustrated flora of the Northern United States and Canada*. Dover Publications, New York, New York.

Guard, J.B. 1995. *Wetland plants of Oregon and Washington*. Lone Pine Publishing, Redmond, Washington.

Radford, A.E., H.E. Ahles, & C. Bell 1968. *Manual of the vascular flora of the Carolinas*. The University of North Carolina Press, Chapel Hill, North Carolina.

Steyermark, J.A. 1963. *Flora of Missouri*. The Iowa State University Press, Ames, Iowa.

Tiner, R.W., Jr. 1987. *A field guide to the coastal wetland plants of the northeastern United States*. The University of Massachusetts Press, Amherst, Massachusetts.

### Prepared By

**Lincoln M. Moore**

USDA, NRCS, National Plant Data Center  
Baton Rouge, Louisiana

### Species Coordinator

*Lincoln M. Moore*

USDA, NRCS, National Plant Data Center  
Baton Rouge, Louisiana

Edited: 08apr02 ahv; 25feb03 ahv; 060808 jsp

For more information about this and other plants, please contact your local NRCS field office or Conservation District, and visit the PLANTS Web site <<http://plants.usda.gov>> or the Plant Materials Program Web site <<http://Plant-Materials.nrcs.usda.gov>>

*To file a complaint of discrimination write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.*

*Read about [Civil Rights at the Natural Resources Conservation Service](#).*

*The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's [TARGET Center](#) at 202-720-2600 (voice and TDD).*